

MTIP001US

3 proportion of said methanol within said fuel mix is within a  
4 range comprising:

5 a lower range boundary selected from the lower range  
6 boundary group consisting of: 2%, and 1% of said fuel mix; and  
7 an upper range boundary selected from the upper range  
8 boundary group consisting of: 5%, 10%, 15%, 30%, 50%, 75%, 90%,  
9 and 100% of said fuel mix.

1 6. (amended) The system of claim 3, wherein said desired  
2 mixing proportion of said methanol within said fuel mix is  
3 approximately 3% of said fuel mix.

1 24. (amended) The method of claim 23, further comprising the  
2 step of mixing said methanol and water into said fuel mix  
3 wherein said desired mixing proportion of said methanol within  
4 said fuel mix is determined based upon particular technologies  
5 used for said fuel cell and said fuel cell system.

1 25. (amended) The method of claim 23, further comprising the  
2 step of mixing said methanol and water into said fuel mix  
3 wherein said desired mixing proportion of said methanol within  
4 said fuel mix is within a range comprising:

5 a lower range boundary selected from the lower range  
6 boundary group consisting of: 2%, and 1% of said fuel mix; and  
7 an upper range boundary selected from the upper range  
8 boundary group consisting of: 5%, 10%, 15%, 30%, 50%, 75%, 90%,  
9 and 100% of said fuel mix.

1 26. (amended) The method of claim 23, further comprising the  
2 step of mixing said methanol into said fuel mix in said desired  
3 mixing proportion of approximately 3% of said fuel mix.

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1 41. (new) The system of claim 1, wherein said source fuel and  
2 diluting fluid are mixed into said fuel mix such that said  
3 desired mixing proportion of said source fuel within said fuel  
4 mix is within a range comprising:

5 a lower range boundary selected from the lower range  
6 boundary group consisting of: 2%, and 1% of said fuel mix; and  
7 an upper range boundary selected from the upper range boundary  
8 group consisting of: 5%, 10%, 15%, 30%, 50%, 75%, 90%, and 100%  
9 of said fuel mix.

1 42. (new) The method of claim 21, further comprising the step  
2 of mixing said source fuel and diluting fluid into said fuel mix  
3 wherein said desired mixing proportion of said source fuel  
4 within said fuel mix is within a range comprising:

5 a lower range boundary selected from the lower range  
6 boundary group consisting of: 2%, and 1% of said fuel mix; and  
7 an upper range boundary selected from the upper range boundary  
8 group consisting of: 5%, 10%, 15%, 30%, 50%, 75%, 90%, and 100%  
9 of said fuel mix.